ABSTRACT OF THE DISCLOSURE

A method and apparatus that processes time series, event and/or activity data of a process according to a data structure is disclosed. The data structure defines one or more activities that frame the time series, event and/or activity data. Each activity and each event has one or more attributes. Each attribute has a value. At least one of the attributes defines an interval of the activity by start and end times. Another attribute includes a time varying parameter that represents the time series data. Another attribute defines a time stamp of an event. The time varying parameter is linked to a device that produces the time series data when the process is run. The time series, event and/or activity data is collected and processed according to the data structure for storage in and/or retrieval from a memory. A relationship between data of one or more activities and the time series, event and/or activity data is processed according to the data structure to retrieve the time series, event and/or activity data from the memory.